JULIUS LEE PE.

RE: 440942 - PAPKA RES.

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

Site Information:
Project Customer: BRIAN PAPKA - O/B Project Name: 440942 Model: Custom
Lot/Block: Subdivision:
Address: 363 SW Blaylock Court
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: Unknown at time of seal License #: Unknown at time of seal
Address: Unknown at time of seal
City: Unknown at time of seal State: Unknown at time of seal

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
FBC 2010/TPI 2007 Design Program: MiTek 20/20 7.3
ASCE 7-10 Wind Speed: 130 mph Floor Load: 55.0 psf
Roof Load: 32.0 psf

This package includes 13 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.

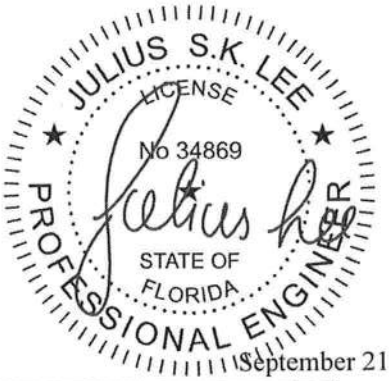
No.	Seal#	Truss Name	Date
1	I5944657	F01	9/21/012
2	I5944658	F02	9/21/012
3	I5944659	F03	9/21/012
4	I5944660	F04	9/21/012
5	I5944661	F05	9/21/012
6	I5944662	F06	9/21/012
7	I5944663	F07	9/21/012
8	I5944664	F08	9/21/012
9	I5944665	F09	9/21/012
10	I5944666	F10	9/21/012
11	I5944667	FG02	9/21/012
12	I5944668	KW4	9/21/012
13	I5944669	KW9	9/21/012

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Jax).

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.



September 21,2012

Julius Lee

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.
440942	F01	FLOOR	5	1	I5944657
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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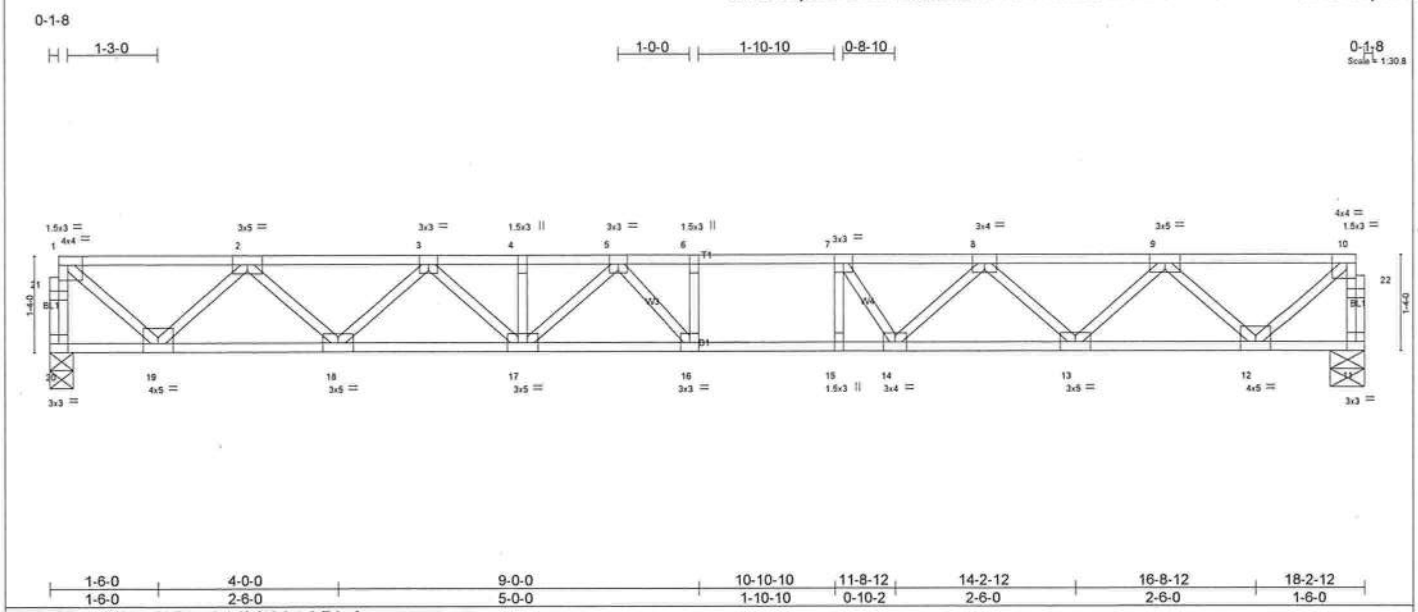


Plate Offsets (X,Y): [1:Edge,0-1-8], [10:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.83	Vert(LL)	-0.26	16-17	>831	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.63	Vert(TL)	-0.41	16-17	>529	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.06	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 96 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SYP M 31(flat)
WEBS 2x4 SP No.3(flat)

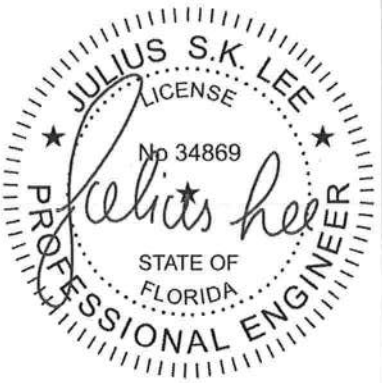
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 20=983/0-3-14 (min. 0-1-8), 11=983/0-5-14 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 20-21=-978/0, 1-21=-976/0, 11-22=-976/0, 10-22=-975/0, 1-2=-1000/0, 2-3=-2459/0, 3-4=-3386/0, 4-5=-3386/0, 5-6=-3617/0, 6-7=-3617/0, 7-8=-3355/0, 8-9=-2462/0, 9-10=-999/0
BOT CHORD 18-19=0/1882, 17-18=0/3016, 16-17=0/3595, 15-16=0/3617, 14-15=0/3617, 13-14=0/3008, 12-13=0/1884
WEBS 7-15=-123/328, 1-19=0/1291, 2-19=-1227/0, 2-18=0/803, 3-18=-775/0, 3-17=0/502, 5-17=-368/0, 5-16=-241/404, 10-12=0/1290, 9-12=-1231/0, 9-13=0/804, 8-13=-759/0, 8-14=0/580, 7-14=-705/0

NOTES (5-7)
1) Unbalanced floor live loads have been considered for this design.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
6) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



September 21,201

Julius Lee PE,
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.
440942	F02	FLOOR	2	1	I5944658
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:41:50 2012 Page 1

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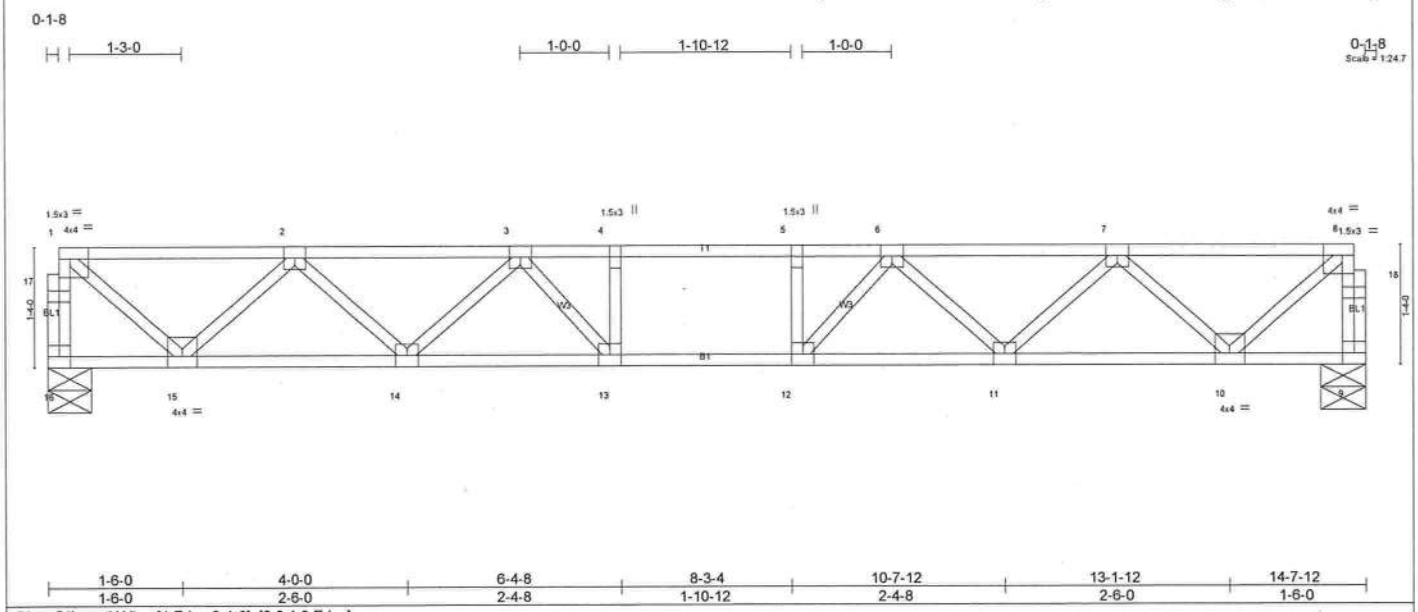

1-6-0	4-0-0	6-4-8	8-3-4	10-7-12	13-1-12	14-7-12
1-6-0	2-6-0	2-4-8	1-10-12	2-4-8	2-6-0	1-6-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.57	Vert(LL)	-0.12	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.76	Vert(TL)	-0.18	13-14	>938	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 76 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 16=786/0-5-14 (min. 0-1-8), 9=786/0-5-14 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-781/0, 1-17=-780/0, 9-18=-781/0, 8-18=-780/0, 1-2=-777/0, 2-3=-1830/0, 3-4=-2326/0, 4-5=-2326/0, 5-6=-2326/0, 6-7=-1830/0, 7-8=-777/0
BOT CHORD 14-15=0/1458, 13-14=0/2177, 12-13=0/2326, 11-12=0/2177, 10-11=0/1458
WEBS 8-10=0/1002, 1-15=0/1002, 7-10=-946/0, 2-15=-946/0, 7-11=0/518, 2-14=0/518, 6-11=-482/0, 3-14=-482/0, 6-12=-39/468, 3-13=-39/468, 4-13=-266/0, 5-12=-266/0

NOTES (6-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

September 21,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.
440942	F03	FLOOR	2	1	I5944659
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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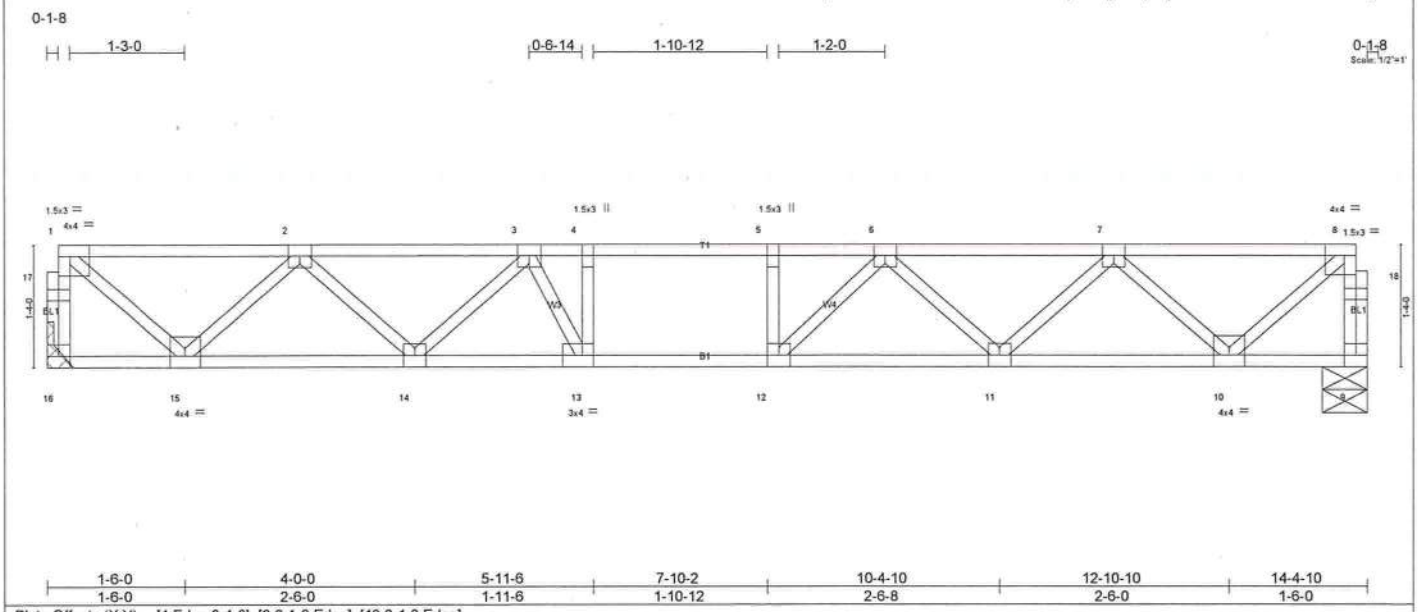

Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.64	Vert(LL)	-0.13	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.79	Vert(TL)	-0.19	11-12	>874	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 75 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 16=771/Mechanical, 9=771/0-5-14 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-767/0, 1-17=-766/0, 9-18=-766/0, 8-18=-765/0, 1-2=-762/0, 2-3=-1781/0, 3-4=-2240/0, 4-5=-2240/0, 5-6=-2240/0, 6-7=-1789/0, 7-8=-760/0
BOT CHORD 14-15=0/1425, 13-14=0/2124, 12-13=0/2240, 11-12=0/2115, 10-11=0/1427
WEBS 4-13=-362/16, 1-15=0/982, 2-15=-923/0, 2-14=0/495, 3-14=-477/0, 3-13=-60/523, 8-10=0/979, 7-10=-928/0, 7-11=0/503, 6-11=-454/0, 6-12=-57/418

NOTES (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson THA422 to attach Truss to Carrying member

LOAD CASE(S) Standard

September 21,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.
440942	F04	FLOOR	10	1	I5944660
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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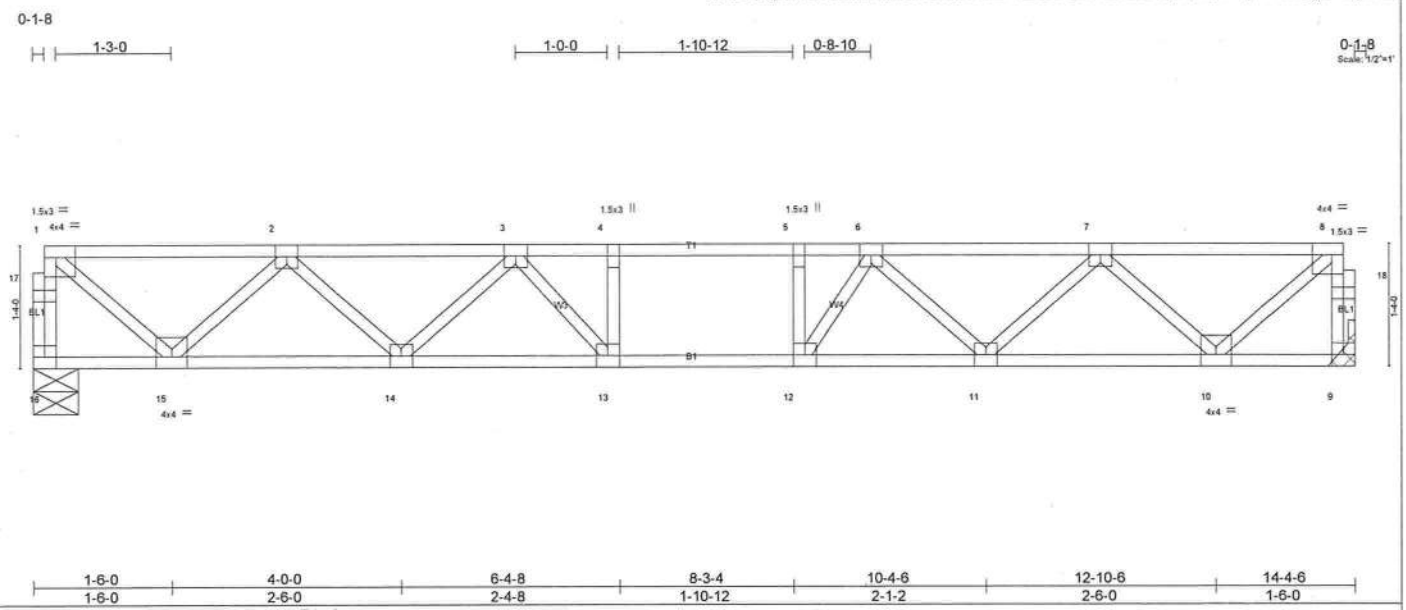

Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.60	Vert(LL)	-0.12	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.76	Vert(TL)	-0.18	13-14	>939	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 75 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 16=770/0-5-14 (min. 0-1-8), 9=770/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-765/0, 1-17=-764/0, 9-18=-766/0, 8-18=-765/0, 1-2=-759/0, 2-3=-1783/0, 3-4=-2234/0, 4-5=-2234/0, 5-6=-2234/0, 6-7=-1779/0, 7-8=-760/0
BOT CHORD 14-15=0/1424, 13-14=0/2111, 12-13=0/2234, 11-12=0/2115, 10-11=0/1424
WEBS 5-12=-310/7, 1-15=0/978, 2-15=-925/0, 2-14=0/498, 3-14=-457/0, 3-13=-56/432, 8-10=0/980, 7-10=-923/0, 7-11=0/494, 6-11=-467/0, 6-12=-57/478

NOTES (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson THA422 to attach Truss to Carrying member

LOAD CASE(S) Standard

September 21,20

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES. I5944661
440942	F05	FLOOR	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:41:53 2012 Page 1

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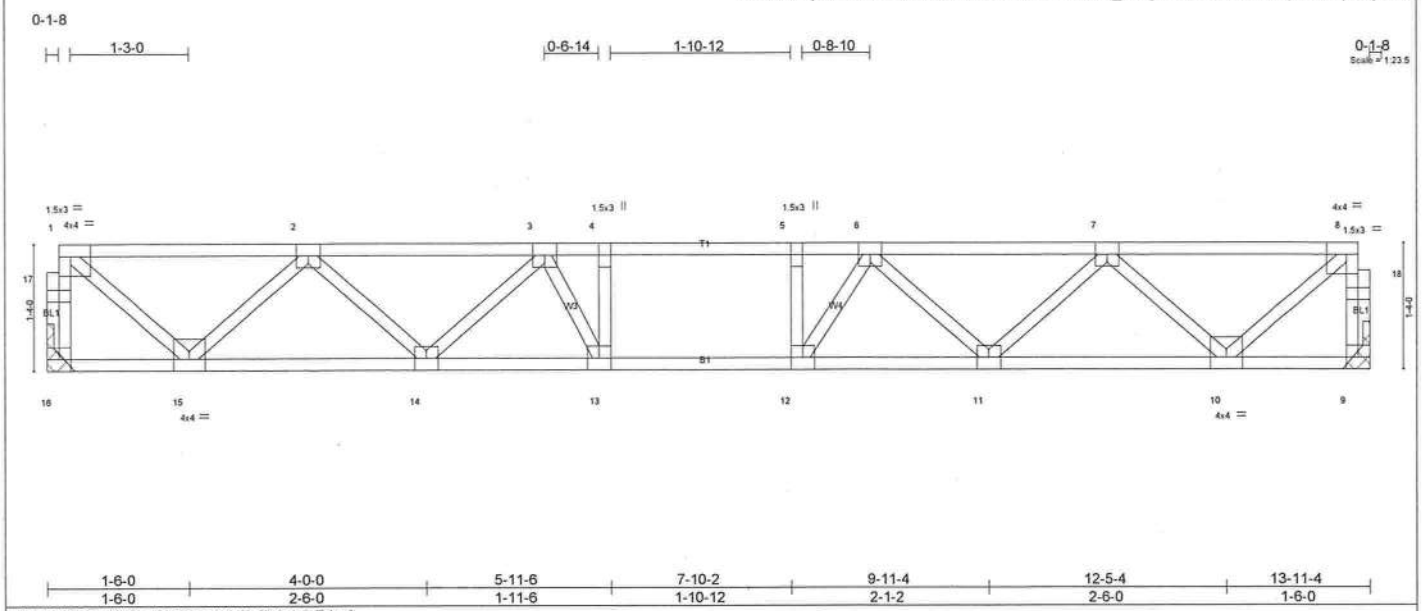

Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.54	Vert(LL)	-0.10	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.70	Vert(TL)	-0.15	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 74 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 16=747/Mechanical, 9=747/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-742/0, 1-17=-741/0, 9-18=-742/0, 8-18=-741/0, 1-2=-733/0, 2-3=-1705/0, 3-4=-2100/0, 4-5=-2100/0, 5-6=-2100/0, 6-7=-1706/0, 7-8=-733/0
BOT CHORD 14-15=0/1372, 13-14=0/2017, 12-13=0/2100, 11-12=0/2013, 10-11=0/1373
WEBS 4-13=-321/36, 5-12=-276/24, 1-15=0/945, 2-15=-889/0, 2-14=0/463, 3-14=-433/0, 3-13=-88/458, 8-10=0/944, 7-10=-890/0, 7-11=0/464, 6-11=-427/0, 6-12=-82/421

NOTES (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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9) Use Simpson THA422 to attach Truss to Carrying member

LOAD CASE(S) Standard

September 21,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.
440942	F06	FLOOR	2	1	I5944662

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:41:53 2012 Page 1

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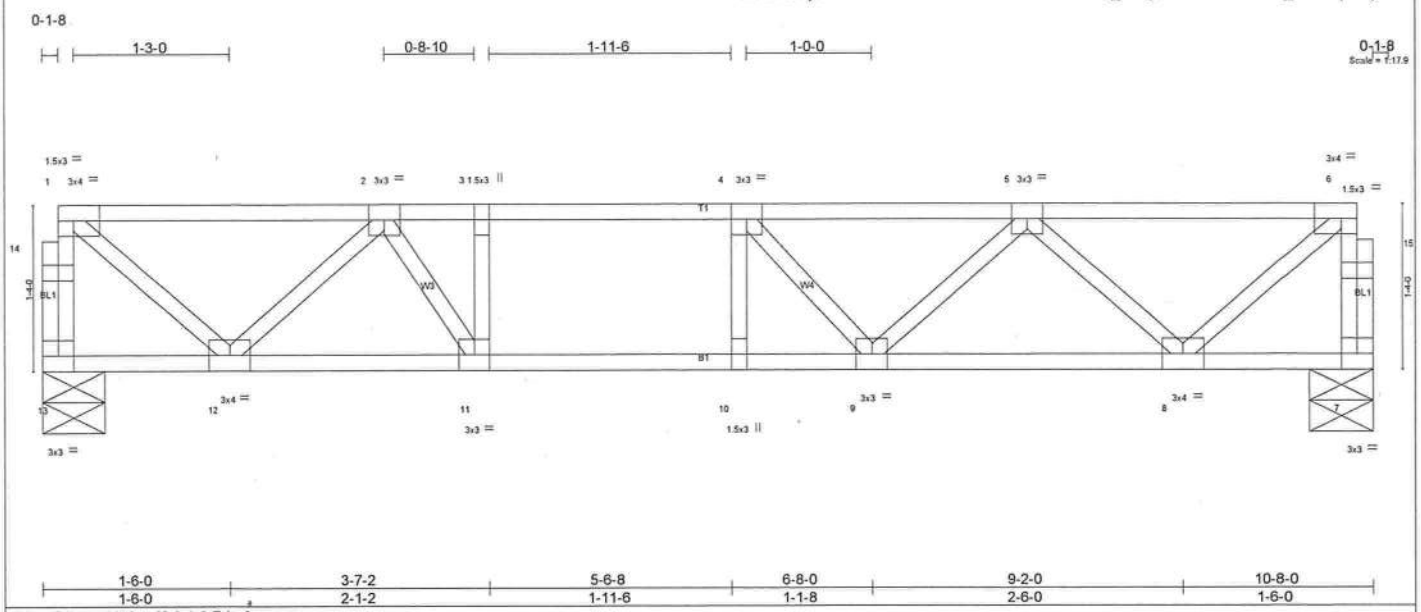

Plate Offsets (X,Y): [6:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.59	Vert(LL)	-0.08	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.78	Vert(TL)	-0.12	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 57 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 13=567/0-6-0 (min. 0-1-8), 7=567/0-6-0 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-552/0, 1-14=-551/0, 7-15=-560/0, 6-15=-560/0, 1-2=-511/0, 2-3=-1183/0, 3-4=-1183/0, 4-5=-1132/0, 5-6=-528/0
BOT CHORD 11-12=0/990, 10-11=0/1183, 9-10=0/1183, 8-9=0/988
WEBS 6-8=0/679, 1-12=0/655, 5-8=-639/0, 2-12=-667/0, 5-9=0/255, 2-11=0/512, 3-11=-301/0

NOTES (5-7)
1) Unbalanced floor live loads have been considered for this design.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
6) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

September 21,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.	I5944663
440942	F07	FLOOR	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:41:54 2012 Page 1

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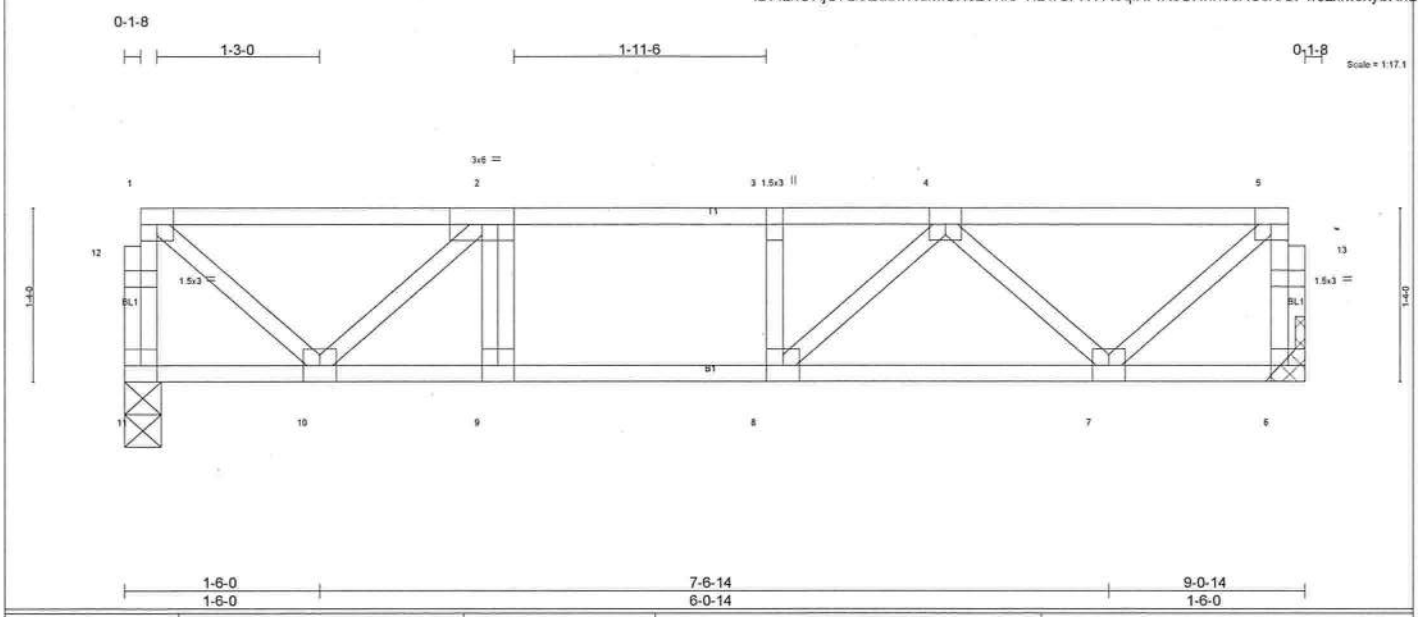

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.48	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.60	Vert(TL)	-0.10	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 50 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=479/0-3-6 (min. 0-1-8), 6=479/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-469/0, 1-12=-469/0, 6-13=-479/0, 5-13=-478/0, 1-2=-423/0, 2-3=-850/0, 3-4=-850/0, 4-5=-431/0
BOT CHORD 9-10=0/850, 8-9=0/850, 7-8=0/781
WEBS 5-7=0/552, 1-10=0/542, 4-7=-487/0, 2-10=-569/0, 4-8=-8/256

NOTES (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson THA422 to attach Truss to Carrying member

LOAD CASE(S) Standard

September 21,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.	I5944664
440942	F08	FLOOR	2	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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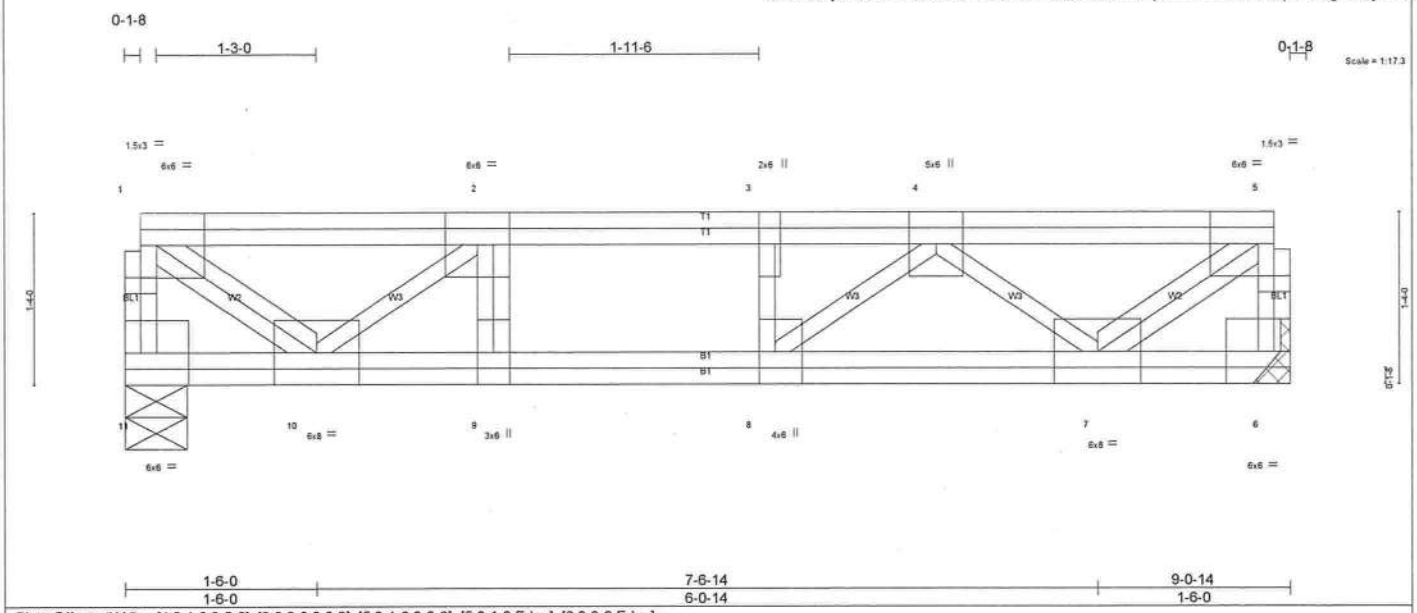

1-6-0	7-6-14	9-0-14
1-6-0	6-0-14	1-6-0

Plate Offsets (X,Y): [1:0-1-8,0-0-8], [3:0-3-0,0-0-0], [5:0-1-8,0-0-8], [5:0-1-8,Edge], [8:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.79	Vert(LL)	-0.08	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.91	Vert(TL)	-0.11	7-8	>933	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.70	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 77 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=1773/0-5-14 (min. 0-1-8), 6=1773/Mechanical, 6=1773/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1763/0, 5-6=-1777/0, 1-2=-1652/0, 2-3=-3426/0, 3-4=-3426/0, 4-5=-1662/0
BOT CHORD 9-10=0/3426, 8-9=0/3426, 7-8=0/3189
WEBS 5-7=0/2130, 1-10=0/2118, 4-7=-1987/0, 2-10=-2228/0, 4-8=-79/930, 2-9=-156/341, 3-8=-467/0

NOTES (5-8)
1) Unbalanced floor live loads have been considered for this design.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
6) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
8) Use Simpson HHUS48 to attach Truss to Carrying member

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-11=-10, 1-5=-392

September 21,201

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.	I5944665
440942	F09	FLOOR	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:41:56 2012 Page 1

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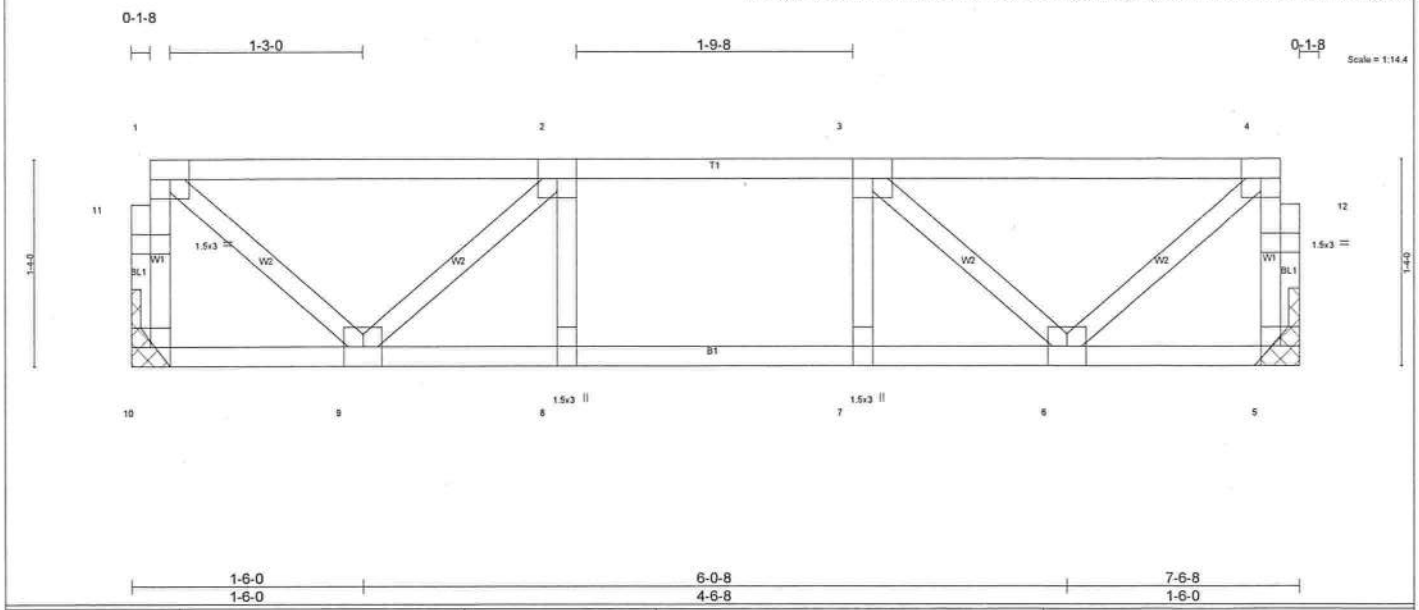

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.48	Vert(LL)	-0.03	7	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.40	Vert(TL)	-0.04	7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 41 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 10=395/Mechanical, 5=395/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-389/0, 1-11=-389/0, 5-12=-389/0, 4-12=-389/0, 1-2=-322/0, 2-3=-609/0, 3-4=-322/0
BOT CHORD 8-9=0/609, 7-8=0/609, 6-7=0/609
WEBS 4-6=0/411, 1-9=0/411, 3-6=-389/0, 2-9=-389/0

NOTES (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Bearings are assumed to be: , Joint 5 SYP No.2 .
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson THA422 to attach Truss to Carrying member

LOAD CASE(S) Standard

September 21,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.
440942	F10	FLOOR	1	1	I5944666
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:41:57 2012 Page 1
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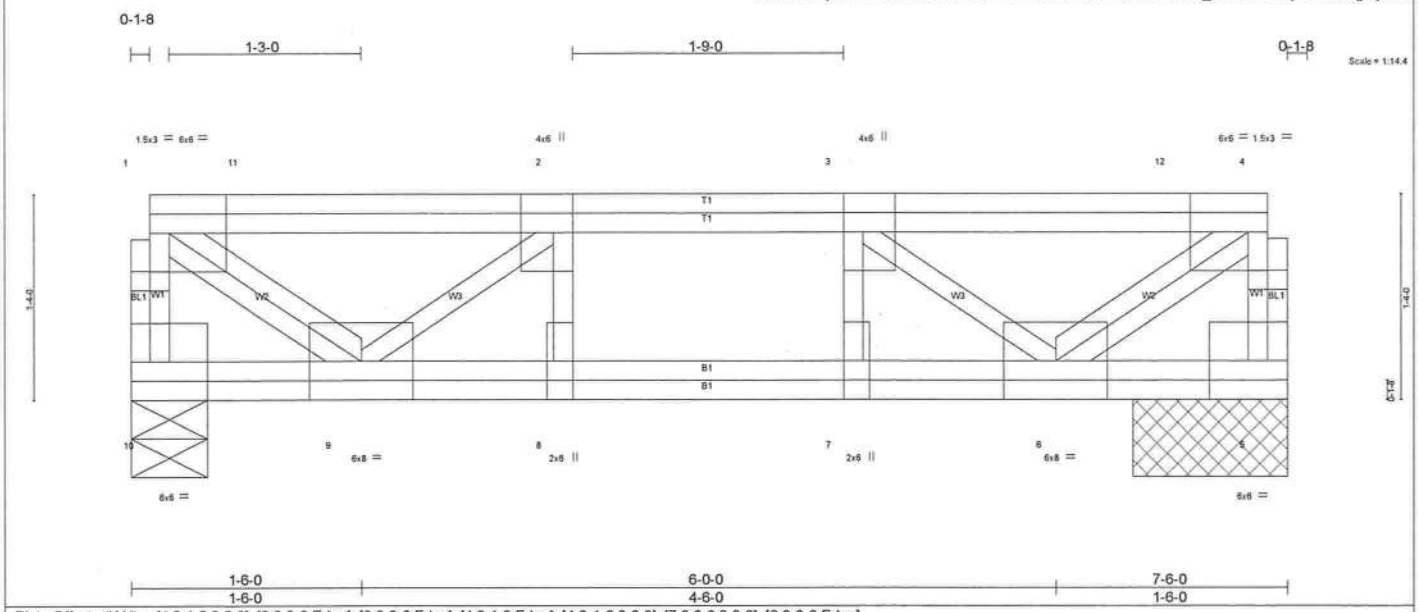

Plate Offsets (X,Y): [1:0-1-8,0-0-8], [2:0-3-0,Edge], [3:0-3-0,Edge], [4:0-1-8,Edge], [4:0-1-8,0-0-8], [7:0-3-0,0-0-0], [8:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.46	Vert(LL)	-0.05	8	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.43	Vert(TL)	-0.06	8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 65 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SYP M 31(flat)
BOT CHORD 2x4 SYP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 10=1705/0-6-0 (min. 0-1-8), 5=1719/1-0-0 (min. 0-1-8)
Max Grav 10=1915(LC 3), 5=2136(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1959/0, 4-5=-2162/0, 1-11=-1476/0, 2-11=-1475/0, 2-3=-3080/0, 3-12=-1665/0, 4-12=-1670/0
BOT CHORD 8-9=0/3080, 7-8=0/3080, 6-7=0/3080
WEBS 4-6=0/2138, 1-9=0/1895, 3-6=-1805/0, 2-9=-2046/0, 2-8=-571/259, 3-7=-318/532

NOTES (7-9)
1) Unbalanced floor live loads have been considered for this design.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 665 lb down at 0-9-12, 665 lb down at 2-9-12, and 665 lb down at 4-9-12, and 665 lb down at 6-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-10=-10, 1-4=-250
Concentrated Loads (lb)
Vert: 3=-385(F) 2=-385(F) 11=-385(F) 12=-385(F)

September 21,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.	I5944667
440942	FG02	SPECIAL	1	2	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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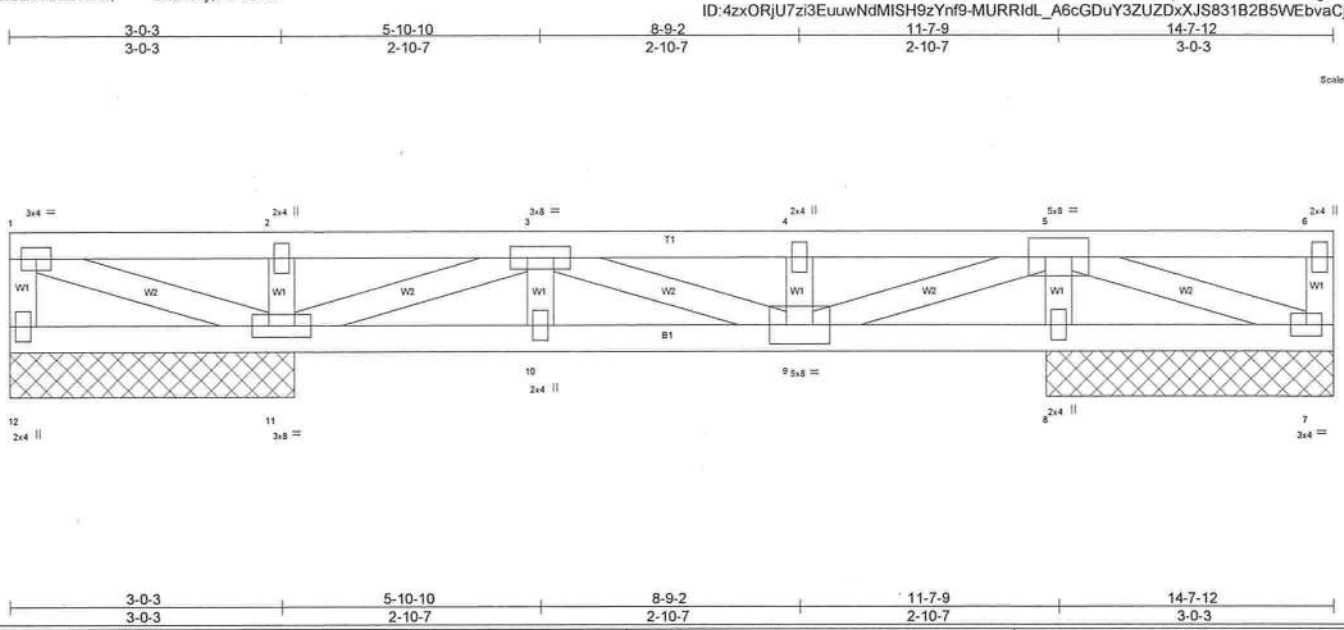

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.63	Vert(LL)	-0.04	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.38	Vert(TL)	-0.06	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 140 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 3-1-14.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 12, 7 except 11=-500(LC 4), 8=-484(LC 4)
Max Grav All reactions 250 lb or less at joint(s) 12, 7 except 11=2446(LC 2), 8=2371(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-183/891, 2-3=-183/891, 3-4=-1528/313, 4-5=-1528/313, 6-7=-370/86
BOT CHORD 10-11=-307/1501, 9-10=-307/1501, 8-9=-763/155, 7-8=-763/155
WEBS 1-11=-982/202, 2-11=-1118/254, 3-11=-2545/521, 4-9=-873/201, 5-9=-497/2438, 5-8=-2241/483, 5-7=-171/843

NOTES (10-12)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 7 except (jt=lb) 11=500, 8=484.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-6=-268, 7-12=-10

September 21,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.	I5944668
440942	KW4	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:42:00 2012 Page 1

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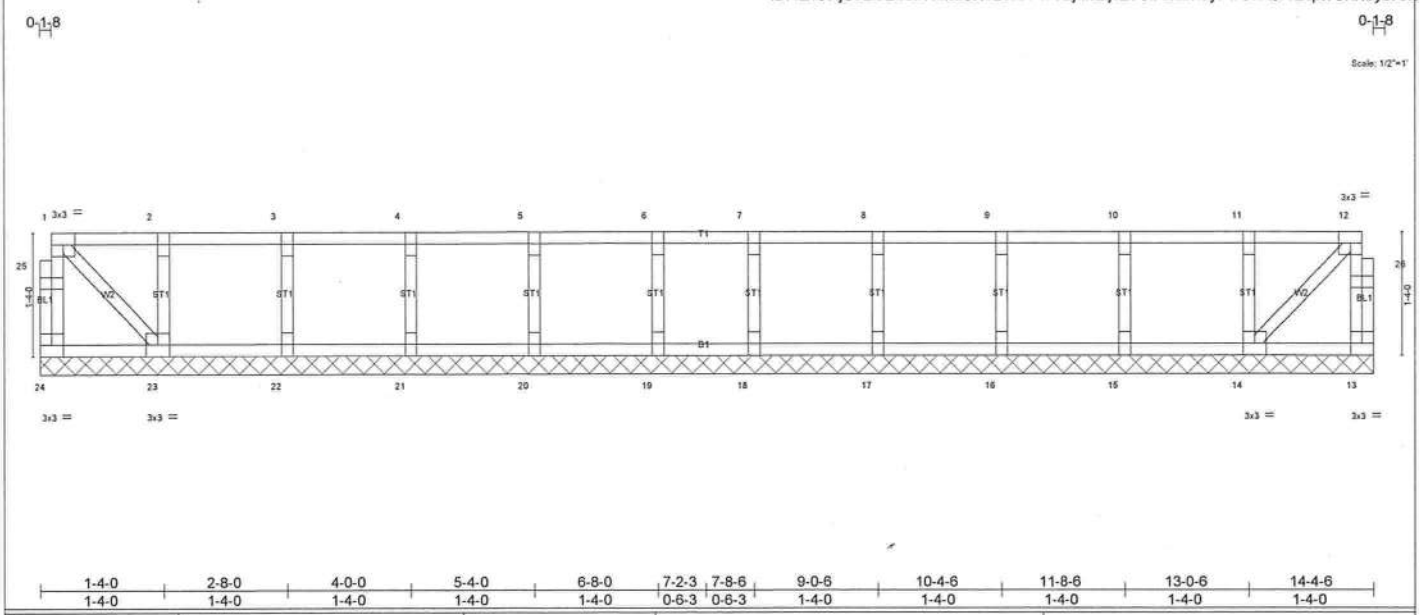

1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	7-2-3	7-8-6	9-0-6	10-4-6	11-8-6	13-0-6	14-4-6
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-6-3	0-6-3	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	14	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 69 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 23-24,13-14.

REACTIONS All bearings 14-4-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 14, 15, 16, 17, 18, 23, 22, 21, 20, 19

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES (8-10)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

September 21,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	PAPKA RES.
440942	KW9	GABLE	1	1	I5944669
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:42:01 2012 Page 1

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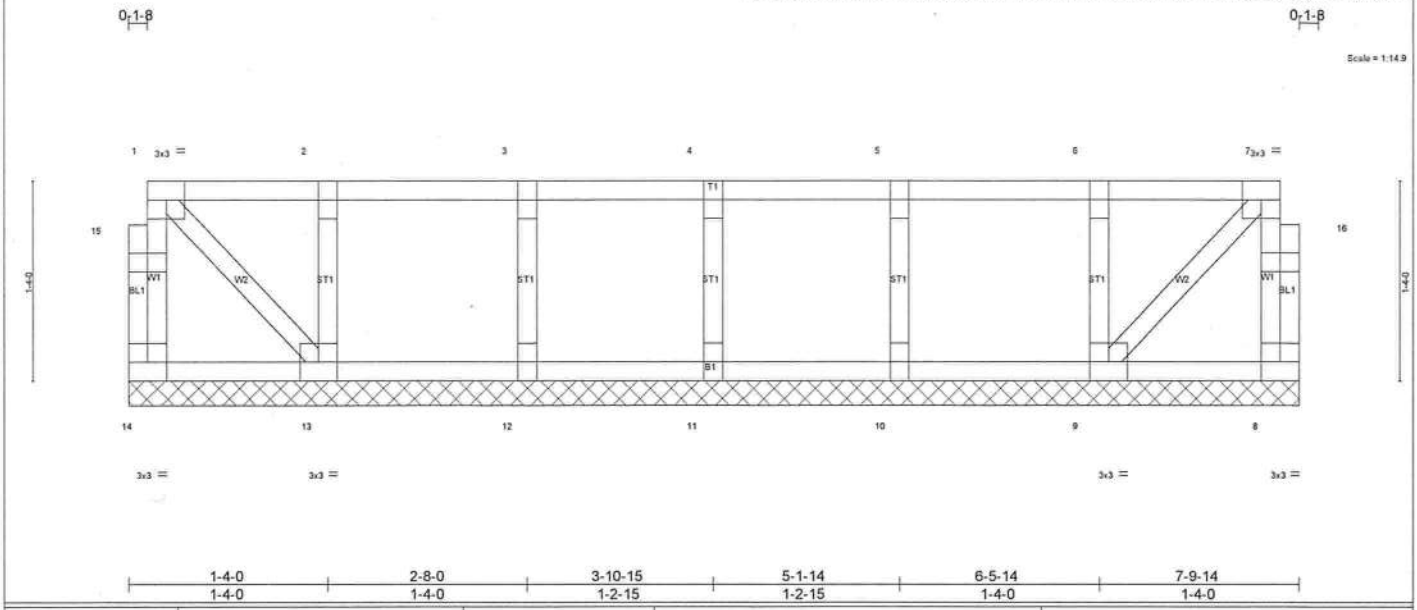

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 41 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 7-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 7-9-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 11, 9, 10, 13, 12

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES (8-10)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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LOAD CASE(S) Standard

September 21,201

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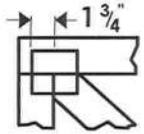
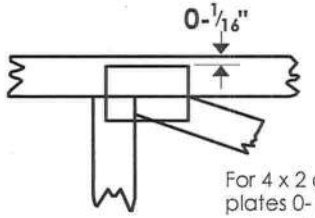
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

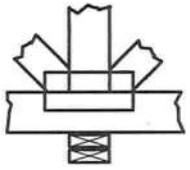
4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

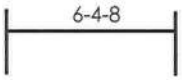


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

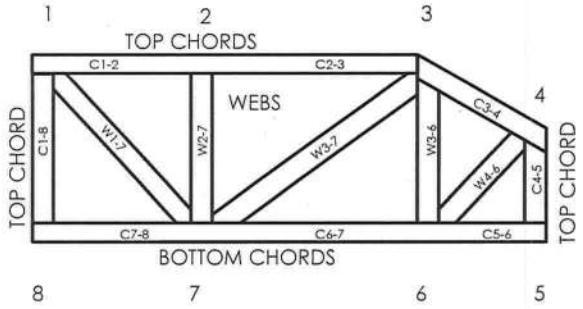
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B,
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.